BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Estimate Cost Rs. **2000000.00**

Name of Work: Estimate for Providing Pump and Motors, pannel board, PVC Cable and Other accossaries to Existing Borewells in Ward No. 05 Byatarayanapura Sub Division

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 12.50 HP 20 stage. **SE RDED Approved Rate PWD SR 2013-14 P. XXXXII Sl No. 33 Kirloskar Pumps including of all taxes**	No						60451.50	302258=00
	For Additional Motor 12.5 HP 25 Stage XXXX	SLNo.27	5				5	63400.00	317000.00
	For Additional Motor 15 HP 30 Stage XXXX1	SLNo.33	5				5	75541.17	377706.00
2	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components	No.						70685	353425=00
			5				5	14800.00	74000.00
3	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 49/ I No. 29-b(1) **4 Sqm mm of 56 strands 0.3mm dia Group - A KPWD Electrical SR 2010-11**	Mtr							
			1	1800.00			1800.00	185.00	333000.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (P.NO - 5, I.NO - 2.4, PWD SR 15-16)	Cum							
			1	1500.00	0.60	0.75	675.00	283.02	190925=00
		267					**675.00**	223.66	**150971.00**
	Basic Rate	276	16.02						
	6% area weightage	16.56	283.02						
	Total	292.56							
5	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 102, I.NO - 13.73.1, PWD SR 15-16)	Mtr							
	2		1	1500.00			1500.00		
							1500.00	366.76	**550140.00**
	Basic Rate	346.00							
	6% area weightage	**20.76**							
	Total	366.76							
6	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 6, I.NO - 2.11, PWD SR 15-16)	Cum							
			1	1500.00	0.60	0.75	675.00	76.32	51516=00
							675.00	59.36	**40068.00**
	Basic Rate	72.00							
	6% area weightage	**4.32**							
	Total	76.32							
7	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) (P.NO - 553, I.NO - 10 (d), BWSSB SR 13-14)	Mtr							
	For Additional UG Cable		1	250.00			**250.00**	169.95	**42488.00**
	Basic Rate	165							
	3% area weightage	4.95							
	Total	169.95							
8	Providing and fixing of 50mm GI bend to motor (PWD SR 15-16, P.NO.XXXVIII, GI FITTINGS TABLE)	No's						219.00	10950=00
			50				**50.00**	232.14	**11607.00**
	Basic Rate	219							
	6% area weightage	13.14							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	232.14							
9	Providing and fixing of 50mm GI Nipple to motor (PWD SR 15-16, P.NO.XXXVIII GI FITTINGS TABLE)	No's						104.30	5215=00
			50				50.00	110.56	5528.00
	Basic Rate	104.3							
	6% area weightage	6.26							
	Total	110.56							
10	Providing and fixing of 50mm GI union to the motor ((PWD SR 15-16, P.NO.XXXVIII GI FITTINGS TABLE)	No's						223.70	11185=00
			50				50.00	237.12	11856.00
	Basic Rate	223.7							
	6% area weightage	13.42							
	Total	237.12							
11	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) **50mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 **P. 97 / I.13.37 PWD SR - 2015-16**	Each							
			40				40	2120.00	84800.00
	Basic Rate	2000.00							
	Area Weightage @ 6%	120.00							
	Total	**2120.00**							
12	Miscellaneous and Unforeseen Charges	L/S							836.00
								Total	2000000.00
	Rupees Twenty Lakh(s) Only								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of PWD Elecrical 2010-11, PRED 2012-13 & SE-RDED approved Rates.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

Assistant Engineer
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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative Approval
Accorded For 2,00,000/-
Head of A/C. P-1771
CER NO :.....86 Dt. 16-12-2015

TA CE (YNK)

TECHNICAL SANCTION
Accorded For Rs. 2000000=00
Head of A/c. P-1771
Div. Ref. No. 223/15-16 Date. 16-12-15
AE EE(BTP)